

TRUCKEE RIVER BASIN, LAKE TAHOE

10336715 MARLETT CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°10'20", long 119°54'25" referenced to North American Datum of 1927, in SE 1/4 SW 1/4 sec. 12, T.15 N., R.18 E., Washoe County, Hydrologic Unit 16050101, in Toiyabe National Forest, on left bank, about 300 ft below dam on Marlette Lake (station 10336710), 0.7 mi upstream from Marlette Reservoir, and 7 mi west of Carson City.

DRAINAGE AREA.--2.86 mi².

PERIOD OF RECORD.--October 1973 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,760 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Flow regulated at Marlette Lake 300 ft upstream. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70 ft³/s, February 20, 1986, gage height, 3.20 ft; no flow at times, some years.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.6 ft³/s, April 21, gage height, 2.02 ft; minimum daily discharge, 0.01 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.06	0.09	e0.03	e0.02	e2.9	3.7	0.55	3.4	0.04	0.03	0.03
2	0.02	0.06	0.09	e0.03	e0.02	e2.8	3.6	0.52	3.1	0.03	0.02	0.02
3	0.02	0.06	0.09	e0.03	e0.01	e2.9	3.5	0.55	3.0	0.03	0.01	0.02
4	0.02	0.06	0.09	e0.03	e0.01	e3.5	3.6	0.59	2.7	0.03	0.02	0.02
5	0.01	0.08	0.09	e0.02	e0.01	e3.5	3.8	0.89	2.5	0.03	0.02	0.01
6	0.01	0.08	0.09	e0.02	e0.01	e3.4	3.8	1.2	2.4	0.04	0.02	0.01
7	0.02	0.08	0.08	e0.02	e0.01	e3.2	3.8	1.8	2.1	0.02	0.02	0.02
8	0.01	0.08	0.07	e0.02	e0.01	e3.1	3.9	2.1	1.3	0.02	0.02	0.03
9	0.02	0.07	0.06	e0.02	e0.01	e3.0	4.0	2.0	1.2	0.02	0.02	0.03
10	0.02	0.09	0.04	e0.02	e0.01	e2.9	4.0	2.0	1.2	0.02	0.03	0.02
11	0.03	0.09	0.03	e0.02	e0.01	e2.8	4.0	2.1	1.0	0.02	0.03	0.02
12	0.05	0.11	0.04	e0.02	e0.01	e2.7	4.1	2.1	0.97	0.02	0.03	0.01
13	0.06	0.12	0.06	e0.02	e0.01	e2.6	4.3	2.1	0.91	0.02	0.03	0.02
14	0.06	0.12	0.04	e0.02	e0.01	2.5	4.3	1.7	0.86	0.02	0.03	0.02
15	0.03	0.12	0.03	e0.02	e0.01	2.5	4.3	1.6	0.83	0.02	0.03	0.02
16	0.05	0.11	0.03	e0.02	e0.01	2.5	3.7	1.5	0.72	0.03	0.03	0.03
17	0.06	0.09	0.04	e0.02	e0.01	2.5	3.6	1.5	0.56	0.03	0.03	0.02
18	0.06	0.09	0.04	e0.02	e0.02	2.6	3.6	1.6	0.46	0.03	0.03	0.02
19	0.07	0.10	0.04	e0.02	e0.02	2.6	4.2	1.5	0.40	0.03	0.03	0.05
20	0.09	0.09	0.04	e0.02	e0.02	2.5	5.1	1.4	0.36	0.03	0.03	0.07
21	0.05	0.10	e0.03	e0.02	e0.03	2.5	4.7	1.4	0.26	0.03	0.03	0.06
22	0.01	0.07	e0.03	e0.02	e0.03	2.6	4.1	1.4	0.20	0.03	0.03	0.06
23	0.03	0.08	e0.03	e0.02	e0.03	2.7	3.9	1.3	0.20	0.03	0.03	0.07
24	0.04	0.09	e0.03	e0.02	e0.04	3.1	3.8	1.2	0.17	0.03	0.03	0.08
25	0.05	0.09	e0.03	e0.02	e0.10	3.5	3.4	1.0	0.13	0.03	0.03	0.06
26	0.07	0.09	e0.03	e0.02	e0.25	4.2	2.8	1.0	0.10	0.03	0.03	0.04
27	0.02	0.09	e0.03	e0.02	e0.50	3.8	2.8	3.2	0.08	0.03	0.03	0.05
28	0.04	0.09	e0.03	e0.02	e1.3	3.6	2.2	4.6	0.07	0.03	0.04	0.05
29	0.04	0.09	e0.03	e0.02	e2.9	3.6	0.94	4.1	0.06	0.03	0.03	0.06
30	0.05	0.09	e0.03	e0.02	---	3.6	0.64	3.8	0.05	0.02	0.03	0.05
31	0.06	---	e0.03	e0.02	---	3.7	---	3.6	---	0.04	0.03	---
TOTAL	1.19	2.64	1.51	0.66	5.43	93.9	108.18	55.90	31.29	0.86	0.85	1.07
MEAN	0.04	0.09	0.05	0.02	0.19	3.03	3.61	1.80	1.04	0.03	0.03	0.04
MAX	0.09	0.12	0.09	0.03	2.9	4.2	5.1	4.6	3.4	0.04	0.04	0.08
MIN	0.01	0.06	0.03	0.02	0.01	2.5	0.64	0.52	0.05	0.02	0.01	0.01
AC-FT	2.4	5.2	3.0	1.3	11	186	215	111	62	1.7	1.7	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	0.48	1.23	1.89	2.74	3.89	3.74	4.18	5.22	4.20	1.41	0.42	0.25
MAX	3.55	12.2	9.71	11.2	17.4	8.65	7.13	11.5	29.8	12.9	4.18	3.46
(WY)	(1984)	(1984)	(1984)	(1997)	(1986)	(1995)	(1982)	(1999)	(1983)	(1983)	(1983)	(1983)
MIN	0.02	0.03	0.02	0.01	0.00	0.04	0.02	0.11	0.04	0.01	0.02	0.02
(WY)	(1988)	(1980)	(1991)	(1993)	(1993)	(1977)	(1991)	(1977)	(1976)	(1990)	(2003)	(1975)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1974 - 2004
ANNUAL TOTAL	288.52	303.48	
ANNUAL MEAN	0.79	0.83	2.46
HIGHEST ANNUAL MEAN			8.29
LOWEST ANNUAL MEAN			0.06
HIGHEST DAILY MEAN	6.0	Apr 14	63 Feb 19, 1986
LOWEST DAILY MEAN	0.01	Sep 6	0.00 Jul 12, 1975
ANNUAL SEVEN-DAY MINIMUM	0.01	Sep 3	0.00 Jan 22, 1993
MAXIMUM PEAK FLOW			70 Feb 20, 1986
MAXIMUM PEAK STAGE			3.20 Feb 20, 1986
ANNUAL RUNOFF (AC-FT)	572	602	1,780
10 PERCENT EXCEEDS	4.2	3.5	6.6
50 PERCENT EXCEEDS	0.06	0.05	0.69
90 PERCENT EXCEEDS	0.02	0.02	0.03

e Estimated